Index to volume 62, 1978

AUTHOR INDEX

Aaberg, T. M.: *see* Willseron, D., Jr, etc. 551
Abdel-Khalek, L. M. R., Williamson, J., and **Lee, W. R.:** Morphological changes in the human conjunctival epithelium. 1. In the normal elderly population 792
——, ——, and ——; Morphological changes in the human conjunctival epithelium. II. In kerato-conjunctivitis sicca 800
Abraham, S.: *see* Grierson, I., etc. 302
Amarasiri, A. A.: *see* Dias, P. L. R., etc. 525
Anderson, J., and **Fuglsang, H.:** Further studies on the treatment of ocular onchocerciasis with diethylcarbamazine and suramin 450
——: *see* Fuglsang, H., etc. 445
——: *see* Jones, B. R., etc. 428, 440
Andrews, R.: *see* Olsen, L. E., etc. 134, 145
Arden, G. B.: The importance of measuring contrast sensitivity in cases of visual disturbance .. 198
Arundale, K.: An investigation into the variation of human contrast sensitivity with age and ocular pathology 213
Ashton, N.: *see* Rahi, A., etc. 627

Bansk, R.: *see* Campbell, F. W., etc. 748
Bar-Itzhack, R., *see* Manor, R. S., etc. 122
Bartl, G., Van Lith, G. H. M., and **van Marle, G. W.:** Cortical potentials evoked by a TV pattern reversal stimulus with varying check sizes and stimulus field 216
Basu, P. K.: *see* Shephard, R. J., etc. 682
BenEzra, D., and **Chirambo, M. C.:** Bilateral versus unilateral cataract extraction: advantages and complications 770
Ben-Sira, I., *see* Manor, R. S., etc. 122
Berlin, A. J.: *see* Costin, J. A., etc. 478
Bhattacherjee, P., *see* Rahi, A., etc. 105
Biedner, B., Rothkoff, L., Monos, T., and **Blumenthal, M.:** Two special indications for intraocular lens implantation 468
Billson, F. A.: *see* Hoyt, C. S., etc. 3
Bird, A. C.: *see* Spalton, D. J., etc. .. 174 183
——: *see* Wright, B. E., etc. 609
——: *see* Young, N. J. A., etc. 581
Blumenthal, M.: *see* Biedner, B., etc. 468
——: *see* Romano, A., etc. 732
Brandt, F.: *see* Stefani, F. H., etc. 402
Brenkman, R. F.: Long-term hypotensive effect of atenolol 4% eyedrops 287
Bresnick, G.: *see* Miller, S. A., etc. 261
Brinkman, C. J. J., Oerlemans-v. Zutphen, M. P. J., and **Broekhuyse, R. M.:** Ocular antigens. VIII: assay of delayed hypersensitivity to corneal epithelium in the rabbit 100
Broekhuyse, R. M., *see* Brinkman, C. J. J., etc. .. 100
Bron, A. J., Kaufman, D. V., and **Harwood, D.:** Television slit-lamp biomicroscopy 644
——: *see* McLendon, B. F., etc. 97, 729
Brown, S. I., *see* Johnson, B. L., etc. 89
——: *see* Mondino, B. J., etc. 265

Campbell, F. W., Hess, R. F., Watson, P. G., and **Banks, R.:** Preliminary results of a physiologically based treatment of amblyopia .. 748
Carr, R. E.: *see* Noble, K. G., etc. 561
Casey, T. A.: *see* Liakos, G. M., etc. 39
Chapman-Smith, J. S., and **Crock, G. W.:** *Correspondence:* Urokinase in the management of vitreous haemorrhage 71
——: *see* Crock, G. W., etc. 74
Chawla, H. B., Coleiro, J. A., and **Jonasson, F.:** Aspiration from the vitreous of a non-magnetic foreign body 788
Chen, M. C., Marak, G. E., and **Pilkerton, A. R.:** The incidence of HLA-SD antigens in recessive retinitis pigmentosa 172
Chirambo, M. C.: *see* BenEzra, D., etc. 770
Chisholm, I. A.: *see* Grierson, I., etc. 694
Chopdar, A.: Retinal telangiectasis in adults: fluorescein angiographic findings and treatment by argon laser 243
Choyce, D. P.: *Correspondence:* Long-term results of Choyce anterior chamber lens implants .. 131
Cleary, P. E., and **Leaver, P. K.:** Macular abnormalities in the reattached retina 595
——: *see* Spalton, D. J., etc. 174
Cogan, D. G.: Coloboma of optic nerve with overlay of peripapillary retina 347
Coleiro, J. A.: *see* Chawla, H. B., etc. 788
Constable, I. J.: *see* Cooper, R. L., etc. 273
Cooper, R. L., and **Constable, I. J.:** *Correspondence:* Soft contact lenses 273
Corbett, J. J.: *see* Osher, R. H., etc. 536
Cornell, L.: *see* Darougar, S., etc. 709
Costin, J. A., Weinstein, M. A., Berlin, A. J., Hardy, R. W., and **Gutman, F. A.:** Dural arteriovenous malformations involving the cavernous sinus: a case report 478
Crisp, A. H.: *see* Karseras, A. G., etc. 340
Crock, G. W., Pericic, L., Chapman-Smith, J. S., Rajendran, B., Malean, H., and **Scrimgeour, J.:** A new system of microsurgery for human and experimental corneal grafting. 1. The contact lens corneal cutter, stereotaxic eye holder, donor disc chuck, and frame 74
——: *see* Chapman-Smith, J. S., etc. 71
Cunha-Vaz, J. G.: Pathophysiology of diabetic retinopathy 351

Daghfous, T.: *see* Treharne, J. D., etc. 509
Dark, A. J.: Cogan's microcystic dystrophy of the cornea: ultrastructure and photomicroscopy .. 821
Darougar, S., Pearce, R., Gibson, J. A., and **McSwiggan, D. A.:** Adenovirus type 21 kerato-conjunctivitis 836
——, **Hunter, P. A., Viswalingam, M., Gibson, J. A.,** and **Jones, B. R.:** Acute follicular conjunctivitis and keratoconjunctivitis due to herpes simplex virus in London 843

——, **John, A. C., Viswalingam, M., Cornell, L.,** and **Jones, B. R.:** Isolation of *Chlamydia psittaci* from a patient with interstitial keratitis and uveitis associated with otological and cardiovascular lesions 709
——: **Treharne, J. D., Minassian, D., El-Sheikh, H., Dines, R. J.,** and **Jooes, B. R.:** Rapid serological test for diagnosis of chlamydial ocular infections 503
——: *see* Treharne, J. D., etc. 509
Das, P. N.: *see* Singh, G., etc. 29
David, R., Goldberg, L., and **Luntz, M. H.:** Influence of pH on the efficacy of pilocarpine 318
——, **Livingston, D.,** and **Luntz, M. H.:** Ocular hypertension: a comparative follow-up of black and white patients 676
——, **MacBeath, L.,** and **Jenkins, T.:** Aniridia associated with microcornea and subluxated lenses 118
——: *see* McBeath, D. L., etc. 774
Dechant, W.: *see* Lund, O.-E., etc. 373
Deutman, A. F.: *see* Grizzard, W. S., etc. 188
Dias, P. L. R., and **Amarasiri, A. A.:** 4-Hydroxy-3-methoxymandelic acid (HMMA) excretion in retinoblastoma 525
Dines, R. J.: *see* Darougar, S., etc. 503
Dinning, W.: *see* Rahi, A., etc. 722
van Dok-Mak, G. T. M.: *see* van Lith, G. H. M., etc. 220
Donovan, H. C., Weale, R. A., and **Wheeler, C.:** The perimeter as a monitor of glaucomatous changes 705
——: *see* Winder, A. F., etc. 414
Dorrell, D.: The tilted disc 16
Douglas, G. R.: *see* Susanna, R., etc. 327
Drance, S. M.: *see* Susanna, R., etc. 327
Dwyer, R. St. C.: *see* Treharne, J. D., etc. .. 509

Editorial: Corneal endothelium 133
——: Current problems in keratoplasty 73
——: Norman Ashton 345
——: Onchocerciasis—our of the oubliette .. 427
——: Pathogenesis of optic disc swelling 579
——: Small optic discs 1
——: Spatial contrast sensitivity 197
El-Sheikh, H.: *see* Darougar, S., etc. 503
Erkkila, H.: *see* Haltia, M., etc. 356

Felberg, N. T., and **Sery, T. W.:** The reverse Wessely phenomenon: immune corneal rings following systemic immunisation 831
Fishman, G. A.: *see* Sieving, P. A., etc. 163
Ford, S. M.: *see* Marsh, R. J., etc. 657
Foster, W. D.: *see* Zimmerman, L. E., etc. .. 420
Fox, J. A.: *see* Wood, I. C. J., etc. 34
Frisén, L., and **Holmegaard, L.:** Spectrum of optic nerve hypoplasia 7
Fry, E. N. S., and **Hall-Parker, J. B.:** Eye hue and the oculocardiac reflex 116
Fuglsang, H., and **Anderson, J.:** Further observations on the relationship between ocular onchociasis and the head nodule, and on the possible benefit of nodulectomy 445
——*see* Anderson, J., etc. 450
——: *see* Jones, B. R., etc. 428, 440

Garner, A.: *see* Rahi, A. H. S., etc. 394
Gibson, J. A.: *see* Darougar, J. A., etc. .. 836, 843

Gloster, J.: Quantitative relationship between cupping of the optic disc and visual field loss in chronic simple glaucoma 665
Goldberg, L.: *see* David, R., etc. 318
Goldberg, M. F.: *see* Peyman, G. A., etc. .. 70, 780
Gore, S. M.: *see* Phillips, C. I., etc. 296
Gragoudas, E. S.: *see* Thomas, J. V., etc. 604
Green, W. R.: *see* Radius, R. L., etc. 389
Gregor, Z.: The perifoveal vasculature in albinism 554
——, and **Joffe, L.:** Senile macular changes in the black African 547
Gresty, M., Halmagyi, G. M., and **Leech, J.:** The relationship between head and eye movement in congenital nystagmus with head shaking: objective recordings of a single case 533
Grey, R. H. B.: Foveo-macular retinitis, solar retinopathy, and trauma 543
Grierson, I., and **Chisholm, I. A.:** Clearance of debris from the iris through the drainage angle of the rabbit's eye 694
——, **Lee, W. R.,** and **Abraham, S.:** Effects of pilocarpine on the morphology of the human outflow apparatus 302
Grizzard, W. S., Deutman, A. F., and **Pinckers, A. J. L. G.:** Retinal dystrophies associated with peripheral retinal vasculopathy 188
Guerry, D.: *see* Harbison, J. W., etc. 483
Gunn, P. M.: *see* Phillips, C. I., etc. 296
Gutman, F. A.: *see* Costin, J. A., etc. 478

Hall-Parker, J. B.: *see* Fry, E. N. S., etc. .. 116
Halmagyi, G. M.: *see* Gresty, M., etc. 533
Haltia, M., Tarkkanen, A., Vaheri, A., Paetau, A., Kaakinen, K., and **Erkkila, H.:** Measles retinopathy during immunosuppression 356
Hamilton, A. M.: *see* Wright, B. E., etc. 609
Harbison, J. W., Guerry, D., and **Wiesinger, H.:** Dural arteriovenous fistula and spontaneous choroidal detachment; new cause of an old disease 483
Hardy, R. W.: *see* Costin, J. A., etc. 478
Harman, D. J.: *see* Hobbs, H. E., etc. 516
Harry, J.: *see* Morgan, G., etc. 381
Harwood, D.: *see* Bron, A. J., etc. 644
Henkes, H. E., and **Waubke, T. N.:** Keratitis from abuse of corneal anaesthetics 62
Henkind, P.: Some observations about retinal vascular-neuronal interrelationships 361
Hess, R. F.: *see* Campbell, F. W., etc. 748
Hill, D. W., and **Young, S.:** Diversion of retinal blood flow by photocoagulation 251
Hitchings, R. A.: The optic disc in glaucoma. III. diffuse optic disc pallor with raised intraocular pressure 670
——: *see* Quinlan, M. P., etc. 330
Hobbs, H. E., Harman, D. J., Rees, R. J. W., and **McDougall, A. C.:** Ocular histopathology in animals experimentally infected with *Mycobacterium leprae* and *M. lepraemurium*. 1. *Mycobacterium leprae* and *M. lepraemurium* infections in the mouse 516
Holmegaard, L.: *see* Frisén, L., etc. 7
Hosni, F. A.: Clinical aspects of corneal trachoma 159
Hoyt, C. S., and **Billson, F. A.:** Maternal anticonvulsants and optic nerve hypoplasia 3
Huamonte, F. U.: *see* Peyman, G. A., etc. .. 70
Hunter, J. W.: Early postoperative sterile hypopyons 470
Hunter, P. A.: *see* Darougar, S., etc. 843

Ikeda, H., and **Tremain, K. E.**: Amblyopia resulting from penalisation: neurophysiological studies of kittens reared with atropinisation of one or both eyes 21
——, ——, and **Sanders, M. D.**: Neurophysiological investigation in optic nerve disease: combined assessment of the visual evoked response and electroretinogram 227
Ivry, M.: *see* Shapiro, A., etc. 558

Jacobs, H. B.: Pseudostrabismus: an audit .. 763
Jain, R. B., and **Willetts, G. S.**: Fundus changes in incontinentia pigmenti (Bloch-Sulzberger syndrome): a case report 622
Jampol, L. M., and **Miller, N. R.**: Carotid artery disease and glaucoma 324
Jampolsky, A.: *see* Williams, A. T., etc. 765
Jay, J. L., and **MacDonald, M.**: Effects of intraocular miotics on cultured bovine corneal endothelium 815
Jenkins, T.: *see* David, R., etc. 118
Joffe, L.: *see* Gregor, Z., etc. 547
John, A. C.: *see* Darougar, S., etc. 709
Johnson, B. L., and **Brown, S. I.**: Posterior polymorphous dystrophy: a light and electron microscopic study 89
Johnson, G. J., and **Overall, M.**: Histology of spheroidal degeneration of the cornea in Labrador 53
Jonasson, F.: *see* Chawla, H. B., etc. 788
Jones, B. R., **Anderson, J.**, and **Fuglsang, H.**: Effects of various concentrations of diethylcarbamazine citrate applied as eye drops in ocular onchocerciasis, and the possibilities of improved therapy from continuous non-pulsed delivery .. 428
——, ——, and ——: Evaluation of microfilaricidal effects in the cornea from topically applied drugs in ocular onchocerciasis: trials with levamisole and mebendazole 440
——: *see* Darougar, S., etc. 503, 709, 843
——: *see* Minassian, D. C., etc. 210
——: *see* Treharne, J. D., etc. 509

Kaakinen, K.: *see* Haltia, M., etc. 356
Kani, W.: Stereopsis and spatial perception in amblyopes and uncorrected ametropes 756
Karageorgiou-Makromihelaki, C.: *see* Petounis, A., etc. 660
Karseras, A. G., and **Crisp, A. H.**: Symptoms without signs in outpatients attending ophthalmology clinics 340
Kaufman, D. V.: *see* Bron, A. J., etc. 644
Kempster, A. J., and **Larke, J. R.**: An illustration of an *in-vivo* corneal response to a soft lens presoaked in a non-isotonic solution 66
Klintworth, G. K.: Radiographic abnormalities in eyes with retinoblastoma and other disorders .. 365
Kohner, E. M.: *see* McLeod, D., etc. 591
Korczyn, A. D.: *see* Laor, N., etc. 491
Koziol, J.: *see* Peyman, G. A., etc. 70

LaBarre, R.: *see* Shephard, R. J., etc. 682
Lahav, M.: *see* Shapiro, A., etc. 558
Laor, N., and **Korczyn, A. D.**: Waardenburg syndrome with a fixed dilated pupil 491
Larke, J. R.: *see* Kempster, A. J., etc. 66
Laurent, M. R., and **Panayi, G. S.**: *Correspondence:* Iritis in Reiter's disease: an example of the Auer principle 850
Lazare, R.: *see* Smith, S. A., etc. 314
Leaver, P., and **McLeod, D.**: Sclerotomy for pars plana vitrectomy 778
Leaver, P. K.: *see* Cleary, P. E., etc. 595
Lee, W. R.: *see* Abdel-Khalik, L. M. R., etc. 792, 800
——: *see* Grierson, I., etc. 302
Leech, J.: *see* Gresty, M., etc. 533
LeMay, M.: B-scan ultrasonography of the anterior segment of the eye 651
Levin, A. S.: *see* Marmor, M. F., etc. 168
Levy, I.: *see* Rahi, A., etc. 722
Liakos, G. M.: Intracorneal and sclerocorneal cysts 155
——, and **Casey, T. A.**: Posterior polymorphous keratopathy.. 39
van Lith, G. H. M., **van Marle, G. W.**, and **van Dok-Mak, G. T. M.**: Variation in latency times of visually evoked cortical potentials 220
——: *see* Bartl, G., etc. 216
Livingstone, D.: *see* David, R., etc. 676
Lobes, L. A.: The electro-oculogram in human retinal detachment 223
Lund, O.-E., **Stefani, F. H.**, and **Dechant, W.**: Amoebic keratitis: a clinicopathological case report 373
Luntz, M. H.: *see* David, R., etc. 318, 676
Lyne, A. J.: A disposable cannula for the aspiration of soft lens matter 790

McBeath, D. L., and **David, R.**: Follow-up of aphakic patients with anterior vitrectomy in one eye and uneventful cataract extraction in the fellow eye 774
——: *see* David, R., etc. 118
MacDonald, M.: *see* Jay, J. L., etc. 815
McDougall, A. C., and **Rees, R. J. W.**: Ocular histopathology in animals experimentally infected with *Mycobacterium leprae* and *M. lepraemurium*. 2. *Mycobacterium leprae* infections in the 9-banded armadillo (*Dasypus novemcinctus L.*) .. 516
——: *see* Hobbs, H. E., etc. 516
McFall, R. C.: *see* Nagy, R. M., etc. 838
McGreevy, L. M.: *see* Nagy, R. M., etc. 838
Machemer, R.: Pathogenesis and classification of massive periretinal proliferation 737
Maclean, H.: *see* Crock, G. W., etc. 74
McLean, I. W.: *see* Zimmerman, L. E., etc. .. 420
McLendon, B. F., and **Bron, A. J.**: Corneal toxicity from vinblastine solution 97
——, ——, and **Mitchell, C. J.**: *Streptococcus suis* type II (group R) as a cause of endophthalmitis 729
McLeod, D., **Oji, E. O.**, **Kohner, E. M.**, and **Marshall, J.**: Fundus signs in temporal arteritis 591
——: *see* Leaver, P., etc. 778
McSwiggan, D. A.: *see* Darougar, S., etc... .. 836
Malaty, A. H. A.: *see* Rahi, A. H. S., etc... .. 394
Manor, R. S., **Yassur, Y.**, **Ben-Sira, I.**, and **Bar-Itzhack, R.**: Visual fields in metastatic choroidal carcinoma 122
Manschot, W. A.: Senile scleral plaques and senile scleromalacia 376
Mapstone, R.: Mechanisms in open-angle glaucoma 275
Marak, G. E.: *see* Chen, M. C., etc. 172
van Marle, G. W.: *see* Bartl, G., etc. 216
——: *see* van Lith, G. H. M., etc. 220
Marmor, M. F., **Nelson, J. W.**, and **Levin, A. S.**: Copper metabolism in American retinitis pigmentosa patients 168

Marsh, R. J., and **Ford, S. M.:** Cine photography and video recording of anterior segment fluorescein angiography 657
Marshall, J.: *see* McLeod, D., etc. 591
——: *see* Olson, L. E., etc. 134, 145
Maudgal, P. C., and **Missotten, L.:** Histopathology of human superficial herpes simplex keratitis .. 46
Maul, E.: *see* Muga, R., etc. 784
Maumenee, A. E.: *see* Radius, R. L., etc. 389
Metz, H. S.: *see* Williams, A. T., etc. 765
Miller, N. R.: *see* Jampol, L. M., etc. 324
Miller, S. A.: Fluorescence in Best's vitelliform dystrophy, lipofuscin, and fundus flavimaculatus 256
——, and **Bresnick, G.:** Familial bilateral macular colobomata 261
Miller, S. D., and **Thompson, H. S.:** Edge-light pupil cycle time 495
Mills, K. B., and **Ridgway, A. E. A.:** A double-blind comparison of guanethidine-and-adrenaline drops with 1% adrenaline alone in chronic simple glaucoma 320
Minassian, D. C., Jones, B. R., and **Zargarizadeh, A.:** The Arden grating test of visual function: a preliminary study of its practicability and application in a rural community in north-west Iran 210
——: *see* Darougar, S., etc. 503
Minatoya, H.: *see* Peyman, G. A., etc. 336
Misra, R.: *see* Rahi, A., etc. 105
Missotten, L.: *see* Maudgal, P. C., etc. 46
Mitchell, C. J.: *see* McLendon, B. F., etc. .. 729
Mondino, B. J., Brown, S. I., and **Rabin, B. S.:** HLA antigens in ocular cicatricical pemphigoid 265
Monos, T.: *see* Biedner, B., etc. 468
Morgan, G., and **Harry, J.:** Lymphocytic tumours of indeterminate nature: a 5-year follow-up of 98 conjunctival and orbital lesions 381
——: *see* Rahi, A., etc. 722
Muga, R., and **Maul, E.:** The management of lens damage in perforating corneal lacerations .. 784
Mullaney, J.: Complex sporadic colobomata .. 384

Nagle, B. T.: *see* Nagy, R. M., etc. 838
Nagy, R. M., McFall, R. C., Sery, T. W., Nagle, B. T., and **McGreevy, L. M.:** Scanning electron microscope study of herpes simplex virus experimental disciform keratitis 838
Nauman, G. O. H.: *see* Völcker, H. E., etc. .. 408
Nelson, J. W., *see* Marmor, M. F., etc. 168
Nemet, P., and **Ron, S.:** Ocular saccades in Duane's syndrome 528
Nieminen, H.: *see* Saari, M., etc. 110, 715
Noble, K. G., Scher, B. M., and **Carr, R. E.:** Polymorphous presentations in vitelliform macular dystrophy: subretinal neovascularisation and central choroidal atrophy 561
Norn, M. S.: Depth of anterior chamber after cataract extraction 474

Oerlemans-v. Zutphen, M. P. J.: *see* Brinkman, C. J. J., etc. 100
Oji, E. O.: *see* McLeod, D., etc. 591
Olson, L. E., Marshall, J., Rice, N. S. C., and **Andrews, R.:** Effects of ultrasound on the corneal endothelium: I. The acute lesions 134
——, ——, ——, and ——: Effects of ultrasound on the corneal endothelium: II. The endothelial repair process 145
Orr, L. S.: *see* Osher, R. H., etc. 536
Osher, R. H., Corbett, J. J., Schatz, N. J., Savino, P. J., and **Orr, L. S.:** Neuro-ophthalmological complications of enlargement of the third ventricle 536
Overall, M.: *see* Johnson, G. J., etc. 53

Paetau, A.: *see* Haltia, M., etc. 356
Panayi, G. S.: *see* Laurent, M. R., etc. 850
Pandolfi, M.: *see* Wettrell, K., etc. 292
Papapanos, G.: *see* Petounis, A., etc. 660
Pearce, R.: *see* Darougar, S., etc. 836
Peart, W. S.: *see* Williams, B. I., etc. 688
Pericic, L.: *see* Crock, G. W., etc. 74
Petounis, A., Papapanos, G., and **Karageorgiou-Makromihelaki, C.:** Penetration of tobramycin sulphate into the human eye 660
Peyman, G. A., Huamonte, F. U., Goldberg, M. F., and **Koziol, J.:** *Correspondence:* Urokinase in the management of vitreous haemorrhage .. 70
——, **Raichand, M.,** and **Goldberg, M. F.:** Surgery of congenital and juvenile cataracts: a pars plicata approach with the vitrophage 780
——, **Sanders, D. R.,** and **Minatoya, H.:** Pars plana vitrectomy in the management of pupillary block glaucoma following irigation and aspiration .. 336
Phillips, C. I., Gore, S. M., and **Gunn, P. M.:** Atenolol versus adrenaline eye drops and an evaluation of these two combined 296
Pielsticker, K.: *see* Stefani, F. H., etc. 402
Pierse, D.: *see* Steele, A. D. McG., etc. 86
Pilkerton, A. R.: *see* Chen, M. C., etc. 172
Pinckers, A. J. L. G.: *see* Grizzard, W. S., etc. .. 188
Ponsford, E.: *see* Shephard, R. J., etc. 682

Quinlan, M. P., and **Hitchings, R. A.:** Angle-closure glaucoma secondary to posterior scleritis .. 330

Rabin, B. S.: *see* Mondino, B. J., etc. 265
Radius, R. L., Maumenee, A. E., and **Green, W. R.:** Pit-like changes of the optic nerve head in open-angle glaucoma 389
Rahi, A., and **Ashton, N.:** Contractile proteins in retinal endothelium and other non-muscle tissues of the eye 627
——, **Bhattacherjee, P.,** and **Misra, R.:** Release of prostaglandins in experimental immune-complex endophthalmitis and phacoallergic uveitis .. 105
——, **Morgan, G., Levy, I.,** and **Dinning, W.:** Immunological investigations in post-traumatic granulomatous and non-granulomatous uveitis 722
Rahi, A. H. S., Garner, A., and **Malaty, A. H. A.:** Contractile protein antigens in the cells of malignant melanoma of the choroid and their diagnostic significance 394
——: *see* Spalton, D. J., etc. 183
Raichand, M.: *Correspondence:* Treatment with urokinase 131
——: *see* Peyman, G. A., etc. 780
Rajendran, B.: *see* Crock, G. W., etc. 74
Rees, R. J. W.: *see* Hobbs, H. E., etc. 516
——: *see* McDougall, A. C., etc. 516
Rice, N. S. C.: *see* Olson, L. E., etc. .. 134, 145
——: *see* Sturrock, G. D., etc. 809
Ridgway, A. E. A.: *see* Mills, K. B., etc. 320
Romano, A., Segal, E., and **Blumenthal, M.:** Canaliculitis with isolation of *Pityrosporum pachydermatis* 732
Romem, M., and **Singer, L.:** Long-term follow-up of photocoagulated retinal breaks 240

Ron, S.: *see* Nemet, P., etc. 528
Rosales, A.: *see* Sevel, D., etc. 571
Rothkoff, L.: *see* Biedner, B., etc. 468
Ruben, M., and **Trodd, C.**: Constant perfusion for dry eyes and sockets 268

Saari, M., Vuorre, I., and **Nieminen, H.**: Fuchs's heterochromic cyclitis: a simultaneous bilateral fluorescein angiographic study of the iris .. 715
——, ——, and ——: Infra-red transillumination stereophotography of the iris in Fuchs's heterochromic cyclitis 110
Sanders, D. R.: *see* Peyman, G. A., etc. 336
Sanders, M. D.: *see* Ikeda, H., etc... 227
Sandford-Smith, J. H.: The surgical treatment of open-angle glaucoma in Nigerians 283
Savino, P. J.: *see* Osher, R. H., etc. 536
Schatz, N. J.: *see* Osher, R. H., etc. 536
Scher, B. M.: *see* Noble, K. G., etc. 561
Schwartz, P. L.: *see* Thomas, J. V., etc. 604
Scrimgeour, J.: *see* Crock, G. W., etc. 74
Segal, E.: *see* Romano, A., etc. 732
Sery, T. W.: *see* Felberg, N. T., etc. 831
——: *see* Nagy, R. M., etc. 838
Sevel, D., and **Rosales, A.**: Orbital blood cyst .. 571
Shapiro, A., Ivry, M., and **Lahav, M.**: An unusual macular lesion simulating a neoplasm 558
——, **Shoenfeld, Y.**, and **Shapiro, Y.**: The effect of standardised submaximal work load on intraocular pressure 679
Shapiro, Y.: *see* Shapiro, A., etc. 679
Shephard, R. J., Ponsford, E., Basu, P. K., and **Labarre, R.**: Effects of cigarette smoking on intraocular pressure and vision 682
Sherrard, E. S.: *see* Sturrock, G. D., etc. 809
Shoenfeld, Y.: *see* Shapiro, A., etc... 679
Siddiqui, A. A.: *see* Winder, A. F., etc. 414
Sieving, P. A., and **Fishman, G. A.**: Refractive errors of retinitis pigmentosa patients 163
Singer, L.: *see* Romem, M., etc. 240
Singh, G., and **Das, P. N.**: Pattern of amblyopia and fixation after keratoplasty 29
Smith, S. A., Smith, S. E., and **Lazare, R.**: An increased effect of pilocarpine on the pupil by application of the drug in oil 314
Smith, S. E.: *see* Smith, S. A., etc... 314
Spalton, D. J., Bird, A. C., and **Cleary, P. E.**: Retinitis pigmentosa and retinal oedema .. 174
——, **Rahi, A. H. S.**, and **Bird, A. C.**: Immunological studies in retinitis pigmentosa associated with retinal vascular leakage 133
Steele, A. D. McG., and **Pierse, D.**: Mastering the donor eye: a new device for obtaining donor corneal discs 86
Stefani, F. H., Brandt, F., and **Pielsticker, K.**: Periarteritis nodosa and thombotic thrombocytopenic purpura with serous retinal detachment in siblings 402
——: *see* Lund, O.-E., etc. 373
Stephenson, M. G.: *see* Wood, I. C. J., etc. .. 34
Sturrock, G. D., Sherrard, E. S., and **Rice, N. S. C.**: Specular microscopy of the corneal endothelium 809
Susanna, R., Drance, S. M., and **Douglas, G. R.**: The visual prognosis of the fellow eye in unilocular chronic open-angle glaucoma 327

Tarkkanen, A.: *see* Haltia, M., etc. 356
Thomas, J. V., Schwartz, P. L., and **Gragoudas, E. S.**: Von Hippel's disease in association with von Recklinghausen's neurofibromatosis .. 604
Thompson, H. S.: *see* Miller, S. D., etc. 495
Thylefors, B., and **Tønjum, A. M.**: Visual field defects in onchocerciasis 462
——: *see* Tønjum, A. M., etc. 458
Tønjum, A. M., and **Thylefors, B.**: Aspects of corneal changes in onchocerciasis 458
——: *see* Thylefors, B., etc... 462
Treharne, J. D., Dwyer, R. St. C., Darougar, S., Jones, B. R., and **Daghfous, T.**: Antichlamydial antibody in tears and sera, and serotypes of *Chlamydia trachomatis* isolated from schoolchildren in Southern Tunisia 509
——: *see* Darougar, S., etc... 503
Tremain, K. E.: *see* Ikeda, H., etc... .. .. 21, 227
Trodd, C.: *see* Ruben, M., etc. 268

Vaheri, A.: *see* Haltia, M., etc. 356
Viswalingam, M.: *see* Darougar, S., etc. .. 709, 843
Völcker, H. E., and **Naumann, G. O. H.**: Multicentric primary malignant melanomas of the choroid: two separate malignant melanomas of the choroid and two uveal naevi in one eye .. 408
Vuorre, I.: *see* Saari, M., etc. 110, 715

Watson, P. G.: *see* Campbell, F. W., etc. 748
Waubke, T. N.: *see* Henkes, H. E., etc. 62
Weale, R. A.: *see* Donovan, H. C., etc. 705
Weinstein, M. A.: *see* Costin, J. A., etc. 478
Wettrell, K., Wilke, K., and **Pandolfi, M.**: Topical atenolol versus pilocarpine: a double-blind study of the effect on ocular tension 292
Wheeler, C.: *see* Donovan, H. C., etc. 705
Wiesinger, H.: *see* Harbison, J. W., etc. 483
Wilke, K.: *see* Wettrell, K., etc. 292
Willerson, D., Jr, and **Aaberg, T. M.**: Senile macular degeneration and geographic atrophy of the retinal pigment epithelium 551
Willetts, G. S.: *see* Jain, R. B., etc. 622
Williams, A. T., Metz, H. S., and **Jampolsky, A.**: The O'Connor cinch revisited 765
Williams, B. I., and **Peart, W. S.**: Effect of posture on the intraocular pressure of patients with retinal vein obstruction 688
Williamson, J.: *see* Abdel-Khalek, L. M. R., etc. 792, 800
Winder, A. F., Siddiqui, A. A., and **Donovan, H. C.**: Ocular hypertension and systemic responses to the water-drinking test 414
Wood, I. C. J., Fox, J. A., and **Stephenson, M. G.**: Contrast threshold of random dot stereograms in anisometropic amblyopia: a clinical investigation 34
Wright, B. E., Bird, A. C., and **Hamilton, A. M.**: Placoid pigment eoitheliopathy and Harada's disease 609

Yassur, Y.: *see* Manor, R. S., etc. 122
Young, N. J. A., and **Bird, A. C.**: Bilateral acute retinal necrosis 581
Young, S.: *see* Hill, D. W., etc. 251

Zargarizadeh, A.: *see* Minassian, D. C., etc. .. 210
Zimmerman, L. E., McLean, I. W., and **Foster, W. D.**: Does enucleation of the eye containing a malignant melanoma prevent or accelerate the dissemination of tumour cells? 420

SUBJECT INDEX 1978

Acetylcholine chloride, intraocular, mannitol and, corneal effects 815
Actin, in ocular non-muscle tissue 627
Acuity, visual, *see* Visual acuity
Adenovirus, *see* Virus, adeno-
Adrenaline drops:
atenolol compared with or combined with, in glaucoma 296
1%, comparison with guanethidine-and-adrenaline, in chronic simple glaucoma 320
Age/Ageing:
conjunctival epithelium, morphological changes in 792
contrast sensitivity variation and 213
macular changes in black Africans and 457
macular degeneration and geographic atrophy of retinal pigment epithelium and 551
Albinism, perifoveal vasculature in 554
Amblyopia:
anisometropic, contrast threshold of random dot stereograms in 34
pattern, fixation pattern and, after keratoplasty 29
penalisation causing (kitten) 21
stereopsis and spatial perception in 756
toxic, VER and ERG in 227
treatment, physiologically based, results .. 748
Ametropia:
pseudostrabismus and 763
uncorrected, stereopsis and spatial perception in 756
Amoebic keratitis 373
Anaesthetics, corneal, abuse, keratitis due to .. 62
Anencephaly, accessory ciliary body in 385
Angiography, fluorescein:
adult retinal telangiectasis and 243
anterior segment, cine photography and video recording of 657
Best's vitelliform dystrophy and 256
bilateral, in Fuchs's heterochromic cyclitis .. 715
dural arteriovenous malformation involving cavernous sinus and 478
macular lesion simulating neoplasm and .. 558
perifoveal vasculature in albinism and 554
placoid pigment epitheliopathy and Harada's disease and 609
retinal necrosis, acute, bilateral, and 581
microcornea and subluxated lenses and 118
Anterior chamber, depth after cataract extraction 474
Anterior segment:
B-scan ultrasonography 651
fluorescein angiography, cine photography and video recording of 657
surgery, corneal endothelium and 133
Antibodies, antichlamydial, in tears and sera, TRIC serotype and, in Tunisian children 509
Anticonvulsants, maternal, optic nerve hypoplasia and 3
Antigens:
contractile protein, in malignant choroidal melanoma cells, diagnostic significance .. 394
HLA, in ocular cicatricial pemphigoid 265
HLA-SD, incidence in recessive retinitis pigmentosa 172
ocular 100
Aphakia, bilateral, anterior vitrectomy in one eye and, eyes compared 774
Aqueous humour:
drainage system, particulate material in, electron microscopic study (rabbit) 591
outflow apparatus, morphology, pilocarpine and 302
tobramycin sulphate penetration 660
Arden grating test: 198
trial in Iranian rural community 210
Arteriovenous fistula, dural, spontaneous choroidal detachment and 483
Arteriovenous malformation, dural, cavernous sinus involvement and 478
Arteritis, temporal, fundus signs in 591
Artery, carotid, disease, glaucoma and 324
Ashton, Norman 345
Atenolol drops:
adrenaline compared with or combined with, in glaucoma 296
long-term hypotensive effect 287
Atenolol, effect on ocular tension, pilocarpine compared with 292
Atropinisation, kittens reared with, neurophysiological studies of 21
Auer principle, iritis in Reiter's disease and .. 850
Autoimmune disorders, reverse Wessely phenomenon and 831
Awards:
Fight for Sight Awards 71
William and Mary Greve award 72, 808
Axoplasmic transport, swelling in retinal nerve fibre layer and, in temporal arteritis 591

Best's vitelliform dystrophy, fluorescence in .. 256
Biomicroscopy, television slit-lamp 644
Bjerrum screen, visual field examination with, in onchocerciasis 462
Bloch-Sulzberger syndrome, fundus changes in .. 622
Blood-retinal barrier, disturbance in diabetic retinopathy, vitreous fluorophotometry and .. 351
Book Reviews:
BAKER, R., and BERTHOZ, A. (Eds): Control of Gaze by Brain Stem Neurons (1977) 577
BEARD, C.: Ptosis. 2nd ed. (1976) 272
BILLMEYER, F. W., JR, and WYSZECKI, G. (Eds): Color 77 (1978) 576
BREWERTON, D. (Ed): Clinics in Rheumatic Diseases. Immunogenetics and Rheumatic Disease. Vol. 8, No. 2 (1977) 272
BROOKS, B. A., and BAJANDAS, F. J. (Eds): Eye Movements (1977) 502
CARPENTER, R. H. S.: Movements of the Eye (1977) 502
COLEMAN, D. J., LIZZI, F. L., and JACK, R. L.: Ultrasonography of the Orbit (1977) 577
DAVIS, M. D., *et al.* (Eds): Symposium on Retinal Diseases (1977) 130
DESMEDT, J. E. (Ed): Visual Evoked Potentials in Man: New Developments (1977) 271
DIKSTEIN, S. (Ed): Drugs and Ocular Tissues (1977) 576
FAYE, E. E.: Clinical Low Vision (1976) .. 130
FREEMAN, H. MACK., HIROSE, T., and SCHEPENS, C. L.: Vitreous Surgery and Advances in Fundus Diagnosis and Treatment (1977) .. 735

Book Reviews (*cont.*):
FREESE, A. S.: The Miracle of Vision (1977) .. 195
GASS, J. D. M.: Stereoscopic Atlas of Macular Diseases. Diagnosis and Treatment (1977) .. 196
GOMBOS, G. M.: Handbook of Ophthalmologic Emergencies, 2nd ed. 196
GREVE, E. L. (Ed): Documenta Ophthalmologica Proceedings Series, Vol. 14. Second International Visual Field Symposium (1977) .. 272
HANAWAY, J., SCOTT, W. R., and STROTHER, C. M.: Atlas of the Human Brain and the Orbit for Computed Tomography (1977) 807
HELVESTON, E. M.: Atlas of Strabismus Surgery, 2nd ed. (1977) 576
HOCKWIN, O., and KOCH, H.-R. (Eds): Arzneimittelnebenwirkungen am Auge (1977) .. 576
KRASNOV, M. M.: Mikro - Chirurgie der Glaukome (1977) 735
KRILL, A. E.: Krill's Hereditary Retinal and Choroidal Diseases, Vol. 2 (1977) 130
LANDERS, M. B., WOLBARSHT, M. L., DOWLING, J. E., and LATIES, A. M.: Advances in Experimental Medicine and Biology, Vol. 77. Retinitis Pigmentosa: Clinical Implications of Current Research (1977) 502
LEOPOLD, I. M., and BURNS, R. P. (Eds): Symposium on Ocular Therapy, Vol. 10 (1977) .. 735
L'ESPERANCE, F. A. (Ed): Current Diagnosis and Management of Chorio-retinal Diseases (1977) 195
LEYDHECKER, W.: Manual der Tonographie für die Praxis (1977) 196
LOMMATZSCH, P.: Die therapeutische Anwendung von ionisierenden Strahlen in der Augenheilkunde (1977) 663
MCPHERSON, A. (Ed): Vitreoretinal Surgery (1977) 575
NEWELL, F. W. (Ed): Clinical Studies in Ophhtalmology: Strabismus and Amblyopia (1975) .. 69
VON NOORDEN, G. K.: Atlas of Strabismus, 3rd ed. (1977) 501
OBSTFELD, H.: Optics in Vision (1978) 735
PEARLMAN, J. T., ADAMS, G. L., and SLOAN, S. H. (Eds): Psychiatric Problems in Ophthalmology (1977) 271
PERKINS, E. S., and HILL, D. W.: Scientific Foundations of Ophthalmology (1977) .. 501
PORTNEY, G. L.: Glaucoma Guidebook (1977) 575
REINECKE, R. D., and MILLER, D.: Strabismus, 2nd ed. (1977) 575
SCHUCHARDT, K., and BECKER, R. (Eds): Fortschritte der Kiefer- und Gesichts-Chirurgie, Vol. 22 (1977) 663
SCOTT, E. P., JAN, J. E., and FREEDMAN, R. D.: Can't Your Child See? (1977) 577
SLOAN, L. L.: Reading Aids for the Partially Sighted: a Systematic Classification and Procedure for Prescribing (1977) 195
SPEKREUSE, H., and VAN DER TWEEL, L. H. (Eds): Spatial Contrast (1977) 501
STREIFF, E. A., SAUTTER, M., and ROPER-HALL, M. J. (Eds): Advances in Ophthalmology, Vol. 35 575
VALE, J., and COX, B.: Drugs and the Eye (1978) 663
ZWENG, H. C., and LITTLE, H. L.: Argon Laser Photocoagulation (1977) 501

Calcification, detection, in suspected retinoblastoma 365
Canaliculitis, *Pityrosporum pachydermatis* and .. 732
Cannula, disposable, for soft lens matter aspiration 790
Carcinoma, choroidal, metastatic, visual fields in 122
Cataract:
calcified, radiographic abnormalities in eyes with 365
congenital, pars plicata lensectomy and vitrectomy with vitrophage in 780
developmental, in Bedouin girl, intraocular lens implantation and 468
extraction: anterior chamber depth after .. 474
bilateral, anterior vitrectomy in one eye and, eyes compared 774
bilateral versus unilateral 770
corneal endothelium and 134
one-step, after perforating corneal laceration 784
phacoemulsification, corneal endothelial repair after 145
juvenile, pars plicata lensectomy and vitrectomy vitrophage in 780
pars plana vitrectomy in pupillary block glaucoma after treatment for 336
senile, ultrasonic appearance 653
Cerebral malformation, hypoplastic optic disc and 1
Chemotherapy, cytotoxic, for testicular neoplasm, measles retinopathy and 356
Children:
corneal opacities in, keratoplasty and, amblyopia and fixation patterns and 29
corneal trachoma in, keratoplasty and 159
Chlamydia psittaci, keratitis, uveitis, and otological and cardiovascular lesions and 709
Chlamydia trachomatis, antibodies in tears and sera, serotyping and, hyperendemic trachoma in Tunisia and 509
Chlamydial ocular infection diagnosis, rapid serological test for 503
Choroid Choroidal:
atrophy, vitelliform macular dystrophy and .. 561
carcinoma, metastatic, visual fields in 122
detachment, spontaneous, dural arteriovenous fistula and 483
malignant melanoma cells, contractile protein antigens in, diagnostic significance 394
melanomas: malignant, primary, multicentric .. 408
uveal naevi and, in one eye 408
subretinal neovascularisation, vitelliform macular dystrophy and 561
Cigarette smoking, effects on intraocular pressure and vision 682
Ciliary body:
accessory, in anencephaly 385
contractile proteins in 627
Coloboma, complex, sporadic 384
Colour vision, defective, bilateral macular colobomata and 261
Congenital:
macular colobomata, bilateral 261
posterior polymorphous keratopathy 39
Congresses, Courses, Symposia, etc.:
Aids for Low Vision Symposium, London, April 1978 72
VIII Cambridge Ophthalmological Symposium, September 1978 426
Contact Lens Fitting Course, New Orleans, March 1979 808
Cosmetic Surgery Course, Tufts University School of Medicine, Boston, May 1978 .. 132
Course on the Orbit, San Francisco, March 1978 72
Edridge-Green lecture, London, June 1978 .. 274
European Ophthalmic Pathology Society, Meeting, Belgrade, June 1978 736

Congresses, Courses, Symposia, etc. (*cont.*):
European Society of Ophthalmology, VIth Congress, Brighton, April 1980 664
First Optometry Classes, Anniversary, London, April 1978 72
German Society of Ophthalmology, 76th Congress, Dusseldorf, September 1978 .. 426
International Agency for Prevention of Blindness, General Assembly, Oxford, July 1978 .. 736
International Congress on Intraocular Implants, Cannes, May 1978 66
International Congress on New Developments in Ophthalmology, Nijmegen, September 1978 426
International Evoked Potentials Symposium, Nottingham, September 1978 72
III International Glaucoma Congress, Las Vegas, January 1978 426
IV International Orthoptic Congress, Berne, September 1978 .. .. 274, 808
International Society for Clinical Electrophysiology of Vision, 17th Symposium, Friedrichroda, June 1979 664
Lacrimal Course, Tufts University School of Medicine, Boston, June 1978 132
Medical Society for Diagnostic Ultrasound, 7th International Congress for Ophthalmologists, Münster, September 1978 578
Microsurgery Congress, San Francisco, August 1978 274
New Orleans Spring Fiesta Ophthalmic Microsurgery Seminar, May 1979 808
Ophthalmic Microsurgery Course, Moorfields, 1978 .. .. 72, 132, 196, 578
Ophthalmic Surgery Seminar, Park Ridge Hospital, Rochester, NY, August 1978 426
Paediatric Ophthalmology Course, London, June 1978 274
Practical Microsurgery Course, Nantes, February 1979 808
Retinal Diagnosis and Therapy Course, Institute of Ophthalmology, London, November 1978 736
XII Symposium Neuroradiologicum, Washington, DC, October 1982 808
Symposium on Search and the Human Observer, Loughborough University, January 1979 .. 850
Workshops on Microsurgery, Singapore, 1978 72, 736
Conjunctiva:
epithelium: electron microscopy 792, 800
morphological changes in keratoconjunctivitis sicca 800
morphological changes in normal elderly population 792
lymphocytic tumours of indeterminate nature, follow-up 381
Conjunctivitis, follicular, herpes simplex virus causing, in London 843
Contact lens:
corneal cutter for keratoplasty 74
soft, presoaked in non-isotonic solution, *in-vivo* corneal response to 66
Contractile protein antigens, in malignant choroidal melanoma cells 394
Contrast sensitivity:
function, measurement, grating test and .. 213
measurement, importance in visual disturbance .. 198
spatial 197
test, Arden 210
variation, age and ocular pathology and, testing 213
Contrast thresholds of random dot stereograms in anisometropic amblyopia 34
Copper, metabolism, in American retinitis pigmentosa patients 168
Cornea Corneal:
anaesthetics, abuse, keratitis due to 62
changes, in herpes simplex disciform keratitis (rabbit) 838
changes in ocular onchocerciasis, distribution .. 458
contractile proteins in 627
cysts 155
degeneration, spheroidal, Labrador, histological study 53
disc, donor, device for obtaining 86
donor, availability 73
dystrophy: Cogan's microcystic, ultrastructure and photomicroscopy 821
finger print bleb 821
Meesmann's 821
posterior polymorphous, light and electron microscopy and 89
endothelium: anterior segment surgery and .. 133
cultured bovine, intraocular miotics and .. 815
repair process, ultrasound and 145
specular microscopy *iv vivo* 809
ultrasound and, acute lesion and 134
epithelium, delayed hypersensitivity to (rabbit) 100
frame for keratoplasty 74
grafting, *see* Keratoplasty
lacerations, perforating, lens damage management in 784
microfilaricidal effects of levamisole and mebendazole in, in onchocerciasis 440
oedema: anterior chamber depth after cataract extraction and 474
intraocular pilocarpine and 815
onchocerca in, diethylcarbamazine citrate drops and 428
opacity, development, age and, keratoplasty and 29
replicas, *in vivo*, histopathology, superficial herpes simplex keratitis and 46
response *in-vivo* to soft lens presoaked in non-isotonic solution 66
rings, immune, after systemic immunisation (rabbit) 831
thickness in ocular onchocerciasis 458
tissue, cell density, sampling, specular microscopy and 809
toxicity, vinblastine solution and 97
trachoma, clinical aspects 159
Cortex, visual:
cells, binocularity, atropinisation during rearing and (kitten) 21
evoked potentials (*see also* Visually evoked potentials), latency times: changes 220
slow checkerboard pattern reversal and .. 220
television pattern reversal stimulus and, varying check sizes and stimulus field and 216
Courses, *see* Congresses, Courses, etc.
Cyclitis, Fuchs's heterochromic: bilateral fluorescein angiography in 715
iris infra-red transillumination stereophotography in 110
vascular pathomechanism 715
Cysts:
intracorneal 155
orbital blood 571
sclerocorneal 155

Deafness, keratitis, uveitis and endocarditis and, *Chlamydia psittaci* and 709

Descemet's membrane, in posterior polymorphous dystrophy 89
Diethylcarbamazine citrate, in onchocerciasis 427, 428, 445, 450
Discrimination, visual, distance, in amblyopes and uncorrected ametropes 756
Dry eye, constant perfusion for 268
Dry socket, constant perfusion for.. 268
Duane's syndrome, ocular saccades in 528
Dural arteriovenous fistula, spontaneous choroidal detachment and 483
Dural arteriovenous malformation, cavernous sinus involvement in 478

Electron microscopy:
aqueous outflow apparatus, pilocarpine and .. 302
choroidal melanoma cell cytoplasm, contractile proteins and 394
conjunctival epithelium in keratoconjunctivitis sicca 800
conjunctival epithelium in normal elderly people 792
contractile proteins in retinal endothelium and other non-muscle ocular tissues 627
cornea, amoebic keratitis and 373
corneal dystrophy, Cogan's microcystic.. .. 821
corneal endothelial repair after exposure to ultrasound 145
corneal posterior polymorphous dystrophy .. 89
retina, measles virus and 356
scanning, in herpes simplex disciform keratitis (rabbit) 838
transmission, particulate material in drainage angle and (rabbit) 694
Electro-oculography:
saccades in Duane's syndrome and 528
retinal detachment pre- and postoperatively and 223
vitelliform macular dystrophy and 561
Electroretinography, optic nerve disease, classification, and 227
Emmetropia, pseudostrabismus and 763
Endocarditis, deafness, keratitis, and uveitis and, *Chlamydia psittaci* and 709
Endophthalmitis:
following cataract extraction 770
immune-complex, prostaglandin release in (rabbit) 105
Streptococcus suis type II (group R) causing .. 729
Enucleation, uveal melanomata and, tumour cell dissemination after 420
Epilepsy, anticonvulsants during pregnancy and, optic nerve hypoplasia in children and 3
Exophthalmos:
enlarged third ventricle and 536
orbital blood cyst causing 571
Eye Eyes:
dry, constant perfusion for 268
hue, oculocardiac reflex and 116
Eyebanks 73

Fellow eye, visual prognosis, in chronic open-angle glaucoma.. 327
Fields, visual, *see* Visual fields
Fistula, dural arteriovenous, spontaneous choroidal detachment and 483
Fixation, pattern, amblyopia pattern and, after keratoplasty 29
Fluorescein angiography, *see* Angiography
Fluorometry, segmental retinal blood flow determination by, in diabetic retinopathy 351
Fluorophotometry, vitreous, in diabetic retinopathy 351
Foreign body, intraocular:
non-magnetic, aspiration from vitreous.. .. 788
radiographic findings in 365
Foveal lesions, injury and 543
Fundus:
changes in incontinentia pigmenti 622
flavimaculatus, fluorescein angiography in .. 256
intraretinal vessels, relationship with neuronal tissue 361
signs in temporal arteritis.. 591

Glaucoma:
angle-closure, secondary to posterior scleritis .. 330
atenolol and adrenaline combined in 296
atenolol and adrenaline compared in 296
atenolol 4% drops, long-term effect in 287
carotid artery disease and.. 324
changes in, perimetric monitoring 705
chronic simple: field loss and cupping extent and 665
guanethidine-and-adrenaline and 1% adrenaline treatment compared in 320
optic nerve disease and field loss in 670
Diffuse disc pallor and raised intraocular pressure in 670
open-angle: chronic, visual prognosis of fellow eye in 327
mechanisms in 275
partial-angle closure in 275
pilocarpine phenylephrine provocative test in 275
pit-like changes in optic nerve head in .. 389
surgical treatment, in Nigerians 283
pilocarpine in: efficacy, pH and 318
in oily solution 314
pupillary block, pars plana vitrectomy and .. 336
systemic responses to water loading and .. 414
Globe retraction syndrome, ocular saccades in .. 528
Gratings, high-contrast square-wave, rotation before amblyopic eye, results 748
Guanethidine-and-adrenaline drops, comparison with 1% adrenaline in chronic simple glaucoma .. 320

Harada's disease, placoid pigment epitheliopathy and 609
Head:
movement, ocular movements and, in congenital nystagmus with head shaking 533
nodules, ocular onchocerciasis and, value of nodulectomy 445
Shaking, congenital nystagmus and, head and eye movements in 533
Hering's law, saccades in Duane's syndrome and 528
Herpes simplex virus, *see* Virus, herpes simplex
von Hippel's disease, von Recklinghausen's neurofibromatosis and 604
Historia Ophthalmologica Internationalis 426
HLA antigens, in ocular cicatricial pemphigoid .. 265
HLA-SD antigens, incidence in recessive retinitis pigmentosa 172
4-Hydroxy-3-methyoxymandelic acid (HMMA), excretion in retinoblastoma 525
Hyperoxia, actin filaments in immature retinal endothelial cells and 627

Hypertension, ocular:
atenolol drops, long-term effect in 287
comparative follow-up in black and white patients 676
pilocarpine and atenolol compared in 292
systemic responses to water-drinking test and .. 414
Hypopyon, sterile, early postoperative, causes and incidence 470

Immune-complex disease, ocular involvement in lepromatous leprosy and 516
Immune complexes, prostaglandin release and (rabbit) 105
Immunisation, systemic, immune corneal rings after (rabbit) 831
Immunodiagnostic techniques, malignant uveal disease and, false positive results and.. .. 394
Immunofluorescence, indirect, retina, measles virus and 356
Immunoglobulin M, raised levels, in retinitis pigmentosa with retinal vascular leakage .. 183
Immunology:
corneal epithelium as antigen and 100
humoral abnormalities, retinitis pigmentosa and retinal vascular leakage and 183
post-traumatic granulomatous and non-granulomatous uveitis and 722
reverse Wessely phenomenon, autoimmune disorders and 831
Incontinentia pigmenti, fundus changes in 622
Injury, ocular:
pars plana vitrectomy in pupillary block glaucoma after irrigation and aspiration in .. 336
perforating, lens damage management in .. 784
Intraocular lens:
Choyce anterior chamber, long-term results .. 131
implantation: in congenital absence of external nose 468
special indications for 468
spectacle refusal in Bedouin women and .. 468
Intracocular pressure:
anterior chamber depth after cataract extraction and 474
cigarette smoking and 682
effects of pilocarpine and atenolol compared .. 292
posture and, retinal vein obstruction and .. 688
raised, diffuse disc pallor and, in glaucoma .. 670
standardised submaximal work load and .. 679
Iris:
angiography, bilateral, simultaneous, in Fuchs's heterochromic cyclitis 715
bombé, pars plana vitrectomy and 336
colour, pilocarpine and 314
contractile proteins in 627
debris clearance from, through drainage angle (rabbit) 694
infra-red transillumination stereophotography in Fuchs's heterochromic cyclitis 110
stromal cyst, congenital, histogenesis 385
Iritis, in Reiter's disease, Auer principle and .. 850

Keratitis:
amoebic 373
corneal anaesthetic abuse causing 62
disciform, herpes simplex, scanning electron microscopy (rabbit) 838
Keratitis (*cont.*)**:**
herpes simplex, superficial, histopathology .. 46
interstitial, *Chlamydia psittaci* and, otological and cardiovascular lesions and 709
sclerosing, in ocular onchocerciasis .. 454, 458
Keratoconjunctivitis:
adenovirus type 21.. 836
herpes simplex virus causing, in London .. 843
sicca, morphological changes in conjunctival epithelium in 800
Keratoiritis, amoebic 373
Keratopathy:
climatic droplet, histological study 53
posterior polymorphous 39
vinblastine solution and 97
Keratoplasty:
contact lens corneal cutter for 74
corneal frame for 74
corneal trachoma and 159
current problems in 73
device for obtaining donor corneal discs for .. 86
donor disc chuck and 74
new microsurgical system for 74, 81
stereotaxic eye holder for 74

Labrador, corneal spheroidal degeneration in, histological study 53
Lacrimal canaliculus, obstruction, *Pityrosporum pachydermatis* and 732
Laser, argon, treatment of adult retinal telangiectasis 243
Lateral geniculate, nucleus, cells, spatial resolving power, atropinisation and (kitten) .. 21
Lens (crystalline):
damage, management in perforating corneal lacerations 784
matter, soft, aspiration, disposable cannula for 790
subluxated, aniridia and microcornea and .. 118
Lens implants, *see* Intraocular lens
Lensectomy, pars plicata, vitrectomy with vitrophage and, in congenital cataract 780
Leprosy, lepromatous, ocular involvement and, immune-complex disease and 516
Levamisole, in onchocerciasis, microfilaricidal corneal effects and 440
Lipofuscin, fluorescence and 256
London, herpes simplex keratoconjunctivitis and follicular conjunctivitis in 843
Lymphocyte stimulation test, delayed hypersensitivity to corneal epithelium and (rabbit) 100
Lymphomatous disease, lymphocytic adnexal tumours and 381

Macula/Macular:
abnormalities in reattached retina 595
changes, senile, in black Africans 547
coloboma, bilateral, familial 261
degeneration, senile, geographic atrophy of retinal pigment epithelium and 551
dystrophy: Best's vitelliform, fluorescence in .. 256
vitelliform: diagnosis, mode of inheritance and EOG and 561
polymorphous presentations 561
lesion, simulating neoplasm 558
Mannitol, intraocular, acetylcholine chloride and, corneal endothelium and 815

Measles:
encephalopathy, fatal, during immunosuppressive therapy for testicular neoplasm 356
retinopathy, during immunosuppressive therapy for testicular neoplasm 356
Mebendazole, in onchocerciasis, microfilaricidal corneal effects and 440
Melanoma:
choroidal, antibodies 394
malignant, uveal, enucleation and, tumour cell dissemination after 420
Menière's syndrome, *Chlamydia psittaci* and .. 709
Metrifonate, in onchocerciasis 440
Microcornea, aniridia and subluxated lenses and 118
Micro - immunofluorescence test, modified, for chlamydial ocular infections 503
Microscopy, electron, *see* Electron microscopy
Microscopy, photo-, Cogan's microcystic corneal dystrophy and 821
Microscopy, specular:
corneal endothelium *in vivo* 809
corneal tissue cell density sampling and 809
Microsurgery system, new, for corneal grafting 74, 81
Middlesex Hospital Questionnaire, psychiatric disorders in outpatients and 340
Miotics, intraocular, effects on cultured bovine corneal endothelium 815
Movements, ocular: head movement and, in congenital nystagmus with head shaking 533
saccadic, in Duane's syndrome 528
Mycobacterium leprae:
infection, ocular histopathology in (armadillo) .. 516
infection, ocular histopathology in (mouse) .. 516
ocular localisation 516
Mycobacterium lepraemurium:
infection, ocular histopathology in (mouse) .. 516
Myopia, in retinitis pigmentosa population .. 163

Naevi, uveal, choroidal melanomas and, in one eye 408
Nasolacrimal duct, occlusion, in keratoconjunctivitis sicca, conjunctival epithelium goblet cell density in 800
Negroes:
African, senile macular changes in 547
ocular hypertension in, follow-up with white patients compared 676
Neoplasia, primary, multicentric 408
Neuritis, optic, multiple sclerosis and, ERG and VER in 227
Neurofibromatosis, von Recklinghausen's, von Hippel's disease associated with 604
Neuro-ophthalmology:
complications in third ventricle enlargement 536
optic nerve hypoplasia and 7
Neurophysiology, atropinisation during rearing and (kitten) 21
Nigeria, surgical treatment of open-angle glaucoma in 283
Nose, external, congenital absence of, intraocular lens implantation and 468
Nystagmus, congenital head shaking and, head and eye movements in 533

Obituary:
CHARAMIS, JOHN S. 664
DUKE-ELDER, SIR STEWART 344
Obituary (*cont.*)**:**
DUTHIE, OGILVIE MAXWELL 578
DYKES BOWER, MICHAEL 426
JONES, RALPH FRANCIS 273
NUTT, ALBERT BOSWELL 807
SPIRO, ISIDORE 273
WRIGHT, LIEUT-COLONEL R. E. 69
O'Connor cinch operation, re-assessment 765
Oculocardiac reflex, eye hue and 116
Oculomotor nerve palsy, partial, third ventricle enlargement and 536
Onchocerca volvulus, routes of entry into eye .. 458
Onchocerciasis, ocular: 427
corneal changes in 458
diethylcarbamazine and suramin in 450
diethylcarbamazine citrate drops in, concentration and continuous delivery 428
head nodules, nodulectomy and 445
indicator, concentration of microfilariae around eye 449
levamisole and mebendazole in, microfilaricidal corneal effects and 440
treatment, head nodulectomy combined with .. 445
visual field defects in 462
Ophthalmoscopy, value in measles retinopathy during immunosuppressive therapy 356
Optic:
atrophy: treatment of ocular onchocerciasis and 454
VER and ERG assessment in 227
cup disc ratio, visual prognosis in fellow eye in chronic open-angle glaucoma and 327
disc: cupping, extent, field loss and, in chronic simple glaucoma 665
diffuse pallor, raised intraocular pressure and, in glaucoma 670
hypoplastic 1
small, detection 1
swelling, pathogenesis 579
tilted:
congenital optic nerve head hypoplasia and 16
scleral canal outline and 16
nerve: aplasia, causes 2
coloboma with overlay of peripapillary retina 347
diethylcarbamazine citrate treatment of onchocerciasis and 428
disease, VER and ERG assessment in .. 227
dysfunction, third ventricle enlargement and 536
function, edge-light pupil cycle time and .. 495
head: changes, pit-like, in open-angle glaucoma 389
disease, progressive, glaucoma and 389
hypoplasia, congenital, features of tilted disc and 16
infarction, temporal arteritis and 591
hypoplasia: maternal anticonvulsants and .. 3
diagnosis 1, 7
spectrum 7
lesions: axonal involvement, ERG and VER and 227
visual field defects in onchocerciasis and .. 462
myelin sheath lesion, ERG and VER and .. 227
neuropathy: acute ischaemic, in chronic simple glaucoma 670
ERG and VER in 227
Orbit Orbital:
blood cyst, exophthalmos due to 571
lymphocytic tumours of indeterminate nature, follow-up 381
Osmolal responses, in peripheral blood, water loading, and in ocular hypertension and glaucoma 414
Oxybuprocaine, abuse, keratitis due to 62

Paratrachoma, diagnosis, rapid serodiagnostic test for 503
Pattern-evoked cortical potentials, check size and stimulus field and 216
Pemphigoid, ocular cicatricical, HLA antigens in .. 265
Penalisation, amblyopia due to (kitten) 21
Perception, spatial, in amblyopes and uncorrected ametropes 756
Periarteritis nodosa, thrombotic thrombocytopenic purpura and retinal detachment and, in siblings 402
Perimetric monitoring of glaucomatous changes .. 705
pH, influence on efficacy of pilocarpine 318
Phacoemulsification:
corneal endothelial repair after 145
pupillary block glaucoma after, pars plana vitrectomy and 336
Phakomatoses, common aetiology 604
Photocoagulation:
argon laser, in adult retinal telangiectasis .. 243
panretinal, retinal blood flow diversion and (cat) 251
retinal blood flow diversion by (cat) 251
retinal breaks, long-term follow-up 240
Photography:
cine, of anterior segment fluorescein angiography 657
stereo-, in infra-red transillumination, iris in Fuchs's heterochromic cyclitis and 110
Photomicroscopy, Cogan's microcystic corneal dystrophy and 821
Pilocarpine:
effect on ocular tension, atenolol compared with 292
efficacy, pH and 318
giant vacuoles in endothelium of Schlemm's canal and 302
intraocular, corneal oedema after 815
ocular effects, eye colour and 314
outflow apparatus morphology and 302
phenylephrine provocative test, in open-angle glaucoma 275
pupillary effect enhancement, oily solution and 314
scleral spur and 302
Pityrosporum pachydermatis, canaliculitis and .. 732
Plasma:
potassium concentration, water loading and, in ocular hypertension and glaucoma 414
proteins, ultraviolet light affecting, in Labrador keratopathy 53
Posture, effect on intraocular pressure, retinal vein obstruction and 688
Pregnancy, anticonvulsants taken during, optic nerve hypoplasia and 3
Prostaglandins, release in immune-complex endophthalmitis and phacoallergic uveitis (rabbit) .. 105
Proteins, contractile, in retinal endothelium and other non-muscle ocular tissues 627
Pseudostrabismus, retrospective study 763
Psychiatric disturbances, symptoms without signs in outpatients and 340
Pupil/Pupillary:
cycle time, edge-light 495
effects of pilocarpine on, oily solution and .. 314
fixed dilated, Waardenburg syndrome and .. 491
Purpura, thrombotic thrombocytopenic, periarteritis nodosa and retinal detachment and, in siblings 402

Race, ocular hypertension and 676
Radiodensities, characteristic, ocular, in retinoblastoma and other disorders 365
Radiography, abnormalities, in eyes with retinoblastoma 365
Radiotherapy, choroidal carcinoma 122
Refraction, errors, in retinitis pigmentosa population 163
Reiter's disease, iritis in, Auer principle and .. 850
Retina/Retinal:
angioma, neurofibromatosis and 604
blood flow diversion, photocoagulation and (cat) 251
breaks, photocoagulated, long-term follow-up .. 240
capillary, non-perfusion, primary, neuronal degeneration and 361
circulation, study, new methods 351
cone-rod dystrophy, peripheral vasculopathy and, in twins 188
cone-rod function, loss, familial macular colobomata and 261
detachment: duration before surgery, visual prognosis and 595
massive periretinal proliferation after, pathogenesis and classification 737
primary retinal vascular alterations causing .. 361
serous, periarteritis nodosa and thrombotic thrombocytopenic purpura and, in siblings 402
treatment, electro-oculogram and 223
dystrophies, peripheral retinal vasculopathy associated with 188
endothelium, contractile proteins in 627
inner, infarction, temporal arteritis and .. 591
massive periretinal proliferation, pathogenesis and classification 737
necrosis, acute, bilateral, uveitis and 581
nerve fibre layer defects, optic nerve hypoplasia and 7
neuronal death, primary, without secondary capillary death 361
oedema: retinitis pigmentosa and 174
tapeto-retinal degeneration and 174
overlying optic nerve coloboma 347
perifoveal vasculature in albinism 554
pigment epitheliopathy, placoid, Harada's disease and 609
pigment epithelium: abnormalities, macular colobomata and, familial 261
geographic atrophy, senile macular degeneration and 551
lesions, in periarteritis nodosa with thrombotic thrombocytopenic purpura 402
re-attached, macular abnormalities in 595
secondary buckling, optic nerve coloboma and 347
telangiectasis, adult: argon laser therapy .. 243
fluorescein angiography in 243
vascular endothelium, microfilaments and intermediate filaments in 627
vascular leakage, retinitis pigmentosa and, immunological studies in 183
vascular-neuronal interrelationships 361
vasculopathy, peripheral, retinal dystrophies associated with 188
vein, obstruction, intraocular pressure and, posture and 688
Retinitis:
foveo-macular, traumatic, solar retinopathy compared with 543
pigmentosa: copper metabolism in, in American patients 168
dominant, peripheral retinal vasculopathy and 188
non-X-linked, myopic refraction in 163
recessive, HLA-SD antigens, incidence, in .. 172
refractive errors in 163
retinal oedema and 174
retinal vascular leakage and, immunological studies in 183
X-linked, myopic refraction in 163

Retinoblastoma:
4-hydroxy-3-methyoxymandelic acid excretion in 525
radiographic abnormalities in eyes with 365
suspected, calcification in, radiography and .. 365
Retinopathy, diabetic:
pathogenesis, hypothesis 351
pathophysiology 351
segmental retinal blood flow determination, fluorometric, in 351
vitreous fluorophotometry in 351
measles, during immunosuppressive therapy for testicular neoplasm 356
solar, traumatic foveo-macular retinitis compared with 543
vascular, peripheral, cone-rod dystrophy and, in twins 188

Schlemm's canal, endothelium, giant vacuoles in, pilocarpine and 302
Sclera Scleral:
canal outline, tilted optic disc and 16
plaques, senile: causing senile scleromalacia .. 376
radiographic abnormalities in eyes with .. 365
spur, pilocarpine and 302
Scleritis, posterior, angle-closure glaucoma secondary to 330
Scleromalacia, senile, senile scleral plaque causing 376
Sclerosis, multiple, optic neuritis and, ERG and VER in 227
Sclerotomy, for pars plana vitrectomy 778
Serodiagnostic test, rapid, for chlamydial ocular infections 503
Sinus cavernous:
dural arteriovenous fistula in region of, spontaneous choroidal detachment and 483
dural arterio-venous malformations and .. 478
Slit-lamp biomicroscopy, television 644
Smallpox, keratoplasty after, amblyopia and fixation patterns and 29
Socket, dry, constant perfusion for 268
Spectacles, refusal by Bedouin women, intraocular lens implantation and 468
Stereograms, random dot, contrast threshold, in anisometropic amblyopia 34
Stereophotography, infra-red transillumination, iris in Fuchs's heterochromic cyclitis and 110
Stereopsis, in amblyopes and uncorrected ametropes 756
Stereotest, Titmus, in amblyopes and uncorrected ametropes 756
Strabismus:
keratoplasty and 29
O'Connor cinch operation in 765
pseudo-, retrospective study 763
Streptococcus suis type II (group R), endophthalmitis due to 729
Suramin, in onchocerciasis 427, 440, 445
Sylvian aqueduct syndrome, enlarged third ventricle and 536
Sympathetic ophthalmitis, post-traumatic, immunological study in 722
Symposia, *see* Congresses, Courses, etc.
Symptoms, without signs in outpatients, psychiatric history and 340

Tapeto-retinal degeneration, retinal oedema in .. 174
Tear film, stability, conjunctival epithelium in keratoconjunctivitis sicca and 800
Television pattern reversal stimulus, cortical potentials evoked by, varying check sizes and stimulus field and 216
Tension, ocular, *see* Intraocular pressure
Third nerve palsy, partial, third ventricle enlargement and 536
Three-rods test, in amblyopes and uncorrected ametropes 756
Tissues, ocular, non-muscle, contractile proteins in 627
Titmus stereotest, amblyopes and uncorrected ametropes and 756
Tobramycin sulphate, penetration into human eye 660
Trabeculae, corneaoscleral, pilocarpine and .. 302
Trachoma:
corneal, clinical aspects 159
prevalence, antichlamydial tear antibody as index of 509
TRIC, serotypes, prevalence, tear and serum anti-antibodies and 509
Tumour:
cells, dissemination, enucleation of eye with malignant melanoma and 420
lymphocytic, adnexal, indeterminate nature, follow-up 381
Twins, identical:
cone-rod dystrophy and peripheral vascular retinopathy 188
optic nerve hypoplasia and 11

Ultrasonography, B-scan, anterior segment .. 651
Ultrasound, corneal:
endothelial repair process and 145
endothelium, acute lesion, and 134
Urokinase, vitreous haemorrhage management and, 70, 71, 131
Uvea Uveal:
melanoma, malignant, enucleation and, tumour cell dissemination after 420
naevi, choroidal melanomas and, in one eye .. 408
tract, *M. leprae* bacili[1] in (mouse and armadillo) 516
Uveitis:
anterior, aggravation by treatment for onchocerciasis 450
bilateral acute retinal necrosis and 581
Chlamydia psittaci and, otological and cardiovascular lesions and 709
phacoallergic, prostaglandin release in (rabbit) .. 105
post-traumatic, immunological study 722

Ventricle, third, enlargement, neuro-ophthalmological complications 536
Vestibular function, loss, *Streptococcus suis* and .. 729
Video tape recording, anterior segment fluorescein angiography 657
Vinblastine solution, corneal toxicity from .. 97
Virus: adeno-:
herpetic conjunctivitis and keratoconjunctivitis resembling 843
type 21, keratoconjunctivitis 836
herpes simplex: disciform, experimental, keratitis scanning electron microscopy (rabbit) .. 838
keratoconjunctivitis and follicular conjunctivitis due to, in London 843
superficial keratitis, histopathology 46
Vision:
binocular, atropinisation during rearing and (kitten) 21

Vision (*cont.*):
loss on ocular onchocerciasis, optic nerve lesion and 462
screening: Arden grating test and, in rural Iran 210
spatial contrast sensitivity tests and 197
Visual acuity, cigarette smoking and 682
Visual cortex, *see* Cortex, visual
Visual fields:
constriction, third ventricle enlargement and .. 536
contraction, optic nerve hypoplasia and .. 9
defects in onchocerciasis 462
loss in chronic simple glaucoma, extent of cupping and 665
metastatic choroidal carcinoma and 122
prognosis in fellow eye in chronic open-angle glaucoma 327
Visually evoked responses (*see also* Cortex, visual), assessment in optic nerve disease 227
Vitrectomy:
anterior, unilateral, after bilateral cataract extraction, eyes compared 774
pars plana: in pupillary block glaucoma after irrigation and aspiration 336
Vitrectomy (*cont.*):
pars plana: sclerotomy for 778
with vitrophage, in congenital and juvenile cataract 780
Vitreous:
changes, massive periretinal proliferation and .. 737
contracting fibrous membranes in, massive periretinal proliferation and 737
fluorophotometry, in diabetic retinopathy .. 351
haemorrhage, management, urokinase and 70, 71, 131
non-magnetic foreign body aspiration from .. 788
surgery, sclerotomy for pars plana vitrectomy .. 778
Volta River Basin, onchocerciasis control programme in 427

Waardenburg syndrome, fixed dilated pupil and .. 491
Water-drinking test, systemic responses to, ocular hypertension and 414
Wessely phenomenon, reverse (rabbit) 831
Work load, standardised submaximal, effect on intraocular pressure 679

British Journal of Ophthalmology

Incorporating The Royal London Ophthalmic Hospital Reports
The Ophthalmic Review and The Ophthalmoscope

EDITOR
Stephen J. H. Miller

ASSISTANT EDITORS
W. S. Foulds M. D. Sanders

COMMITTEE
Norman Ashton A. C. Bird C. A. Brown J. H. Dobree Peter Fells
Barrie Jay F. D. McAuley E. S. Perkins C. I. Phillips
M. J. Roper-Hall Redmond J. H. Smith A. Stanworth

and the Editor of the *British Medical Journal*

TECHNICAL EDITOR
T. D. V. Swinscow

Vol. 62, 1978

Institute of Ophthalmology Judd Street London WC1H 9QS
Publishing Office
British Medical Association Tavistock Square London WC1H 9JR

Published by British Medical Association, Tavistock Square, London WC1H 9JR, and printed in England by F. J. Parsons (Westminster Press Ltd), Newspaper House, Great New Street, London EC4P 4ER, and Hastings

Contents

No. 1 January 1978

Editorial: Small optic discs 1
Maternal anticonvulsants and optic nerve hypoplasia CREIG S. HOYT AND FRANK A. BILLSON 3
Spectrum of optic nerve hypoplasia LARS FRISÉN AND LARS HOLMEGAARD 7
The tilted disc DAVID DORRELL 16
Amblyopia resulting from penalisation: neurophysiological studies of kittens reared with atropinisation of one or both eyes HISAKO IKEDA AND K. E. TREMAIN 21
Pattern of amblyopia and fixation after keratoplasty G. SINGH AND P. N. DAS 29
Contrast threshold of random dot stereograms in anisometropic amblyopia: a clinical investigation I. C. J. WOOD, J. A. FOX, AND M. G. STEPHENSON 34
Posterior polymorphous keratopathy G. M. LIAKOS AND T. A. CASEY 39
Histopathology of human superficial herpes simplex keratitis P. C. MAUDGAL AND L. MISSOTTEN 46
Histology of spheroidal degeneration of the cornea in Labrador GORDON J. JOHNSON AND MARY OVERALL 53
Keratitis from abuse of corneal anaesthetics HAROLD E. HENKES AND THEODOR N. WAUBKE 62
An illustration of an *in-vivo* corneal response to a soft lens presoaked in a non-isotonic solution A. J. KEMPSTER AND J. R. LARKE 66
Book reviews 69
Obituary 69
Correspondence 70
Notes 71

No. 2 February 1978

Editorial: Current problems in keratoplasty 73
A new system of microsurgery for human and experimental corneal grafting. I: The contact lens corneal cutter, stereotaxic eye holder, donor disc chuck, and frame G. W. CROCK, L. PERICIC, J. S. CHAPMAN-SMITH, B. RAJENDRAN, H. MACLEAN, AND J. SCRIMGEOUR .. 74
A new system of microsurgery for human and experimental corneal grafting. II: Clinical and experimental applications G. W. CROCK, L. PERICIC, B. RAJENDRAN, J. S. CHAPMAN-SMITH, N. CARROLL, H. MACLEAN, AND J. SCRIMGEOUR 81
Mastering the donor eye: a new device for obtaining donor corneal discs ARTHUR D. MCG. STEELE AND DERMOT PIERSE 86
Posterior polymorphous dystrophy: a light and electron microscopic study BRUCE L. JOHNSON AND STUART I. BROWN.. 89
Corneal toxicity from vinblastine solution B. F. MCLENDON AND A. J. BRON 97
Ocular antigens VIII: assay of delayed hypersensitivity to corneal epithelium in the rabbit C. J. J. BRINKMAN, M. P. J. OERLEMANS-V. ZUTPHEN, AND R. M. BROEKHUYSE 100
Release of prostaglandins in experimental immune-complex endophthalmitis and phacoallergic uveitis AMJAD RAHI, PRIMAL BHATTACHERJEE, AND ROOPNARAIN MISRA .. 105
Infra-red transillumination stereophotography of the iris in Fuchs's heterochromic cyclitis M. SAARI, I. VUORRE, AND H. NEIMINEN 110
Eye hue and the oculocardiac reflex E. N. S. FRY AND J. B. HALL-PARKER 116
Aniridia associated with microcornea and subluxated lenses ROBERT DAVID, LEONARD MACBEATH, AND TREFOR JENKINS 118
Visual fields in metastatic choroidal carcinoma RIRI SYLVIA MANOR, YUVAL YASSUR, ITZHAK BEN-SIRA, AND ROBERT BAR-ITZHACK 122
Book reviews 130
Correspondence 131
Notes 132

No. 3 March 1978

Editorial: Corneal endothelium 133
Effects of ultrasound on the corneal endothelium: I. The acute lesion LANCE E. OLSON, JOHN MARSHALL, NOEL S. C. RICE, AND ROBERT ANDREWS 134
Effects of ultrasound on the corneal endothelium: II. The endothelial repair process LANCE E. OLSON, JOHN MARSHALL, NOEL S. C. RICE, AND ROBERT ANDREWS 145
Intracorneal and sclerocorneal cysts G. M. LIAKOS 155
Clinical aspects of corneal trachoma F. A. HOSNI 159
Refractive errors of retinitis pigmentosa patients PAUL A. SIEVING AND GERALD A. FISHMAN 163
Copper metabolism in American retinitis pigmentosa patients MICHAEL F. MARMOR, JOHN W. NELSON, and ALAN S. LEVIN 168
The incidence of HLA-SD antigens in recessive retinitis pigmentosa MELVIN C. CHEN, GEORGE E. MARAK, AND A. RAYMOND PILKERTON 172
Retinitis pigmentosa and retinal oedema D. J. SPALTON, A. C. BIRD, AND P. E. CLEARY .. 174
Immunological studies in retinitis pigmentosa associated with retinal vascular leakage D. J. SPALTON, A. H. S. RAHI, AND A. C. BIRD 183
Retinal dystrophies associated with peripheral retinal vasculopathy W. S. GRIZZARD, A. F. DEUTMAN, AND A. J. L. G. PINKERS 188
Book reviews 195
Note 196

No. 4 April 1978

Editorial: Spatial contrast sensitivity 197
The importance of measuring contrast sensitivity in cases of visual disturbance G. B. ARDEN 198
The Arden grating test of visual function: a preliminary study of its practicability and application in a rural community in north-west Iran DARWIN C. MINASSIAN, BARRIE R. JONES, AND AHAD ZARGARIZADEH 210
An investigation into the variation of human contrast sensitivity with age and ocular pathology KEITH ARUNDALE 213
Cortical potentials evoked by a TV pattern reversal stimulus with varying check sizes and stimulus field G. BARTL, G. H. M. VAN LITH, AND G. W. VAN MARLE 216
Variation in latency times of visually evoked cortical potentials G. H. M. VAN LITH, G. W. VAN MARLE, AND G. T. M. VAN DOK-MAK 220
The electro-oculogram in human retinal detachment LOUIS A. LOBES.. 223
Neurophysiological investigation in optic nerve disease: combined assessment of the visual evoked response and electroretinogram HISAKO IKEDA, K. E. TREMAIN, AND M. D. SANDERS 227
Long-term follow-up of photocoagulated retinal breaks M. ROMEN AND L. SINGER.. .. 240
Retinal telangiectasis in adults: fluorescein angiographic findings and treatment by argon laser AMRESH CHOPDAR 243
Diversion of retinal blood flow by photocoagulation D. W. HILL AND S. YOUNG 251
Fluorescence in Best's vitelliform dystrophy, lipofuscin, and fundus flavimaculatus STEVEN ABBOTT MILLER 256
Familial bilateral macular colobomata STEVEN ABBOTT MILLER AND G. BRESNICK 261
HLA antigens in ocular cicatricial pemphigoid BARTLY J. MONDINO, STUART I. BROWN, AND BRUCE S. RABIN 265
Constant perfusion for dry eyes and sockets MONTAGUE RUBEN AND CHARLES TRODD .. 268
Book reviews 271
Correspondence 273
Obituary 273
Notes 274

No. 5 May 1978

Mechanisms in open-angle glaucoma R. MAPSTONE 275
The surgical treatment of open-angle glaucoma in Nigerians J. H. SANDFORD-SMITH .. 283

Long-term hypotensive effect of atenolol 4% eyedrops R. F. BRENKMAN 287
Topical atenolol versus pilocarpine: a double-blind study of the effect on ocular tension K. WETTRELL, K. WILKE, AND M. PANDOLFI 292
Atenolol versus adrenaline eye drops and an evaluation of these two combined CALBERT I. PHILLIPS, SHEILA M. GORE, AND PATRICIA M. GUNN 296
Effects of pilocarpine on the morphology of the human outflow apparatus IAN GRIERSON, WILLIAM R. LEE, AND SHAHIDA ABRAHAM 302
An increased effect of pilocarpine on the pupil by application of the drug in oil SHIRLEY A. SMITH, S. E. SMITH, AND R. LAZARE 314
Influence of pH on the efficacy of pilocarpine ROBERT DAVID, LEON GOLDBERG, AND MAURICE H. LUNTZ 318
A double blind comparison of guanethidine-and-adrenaline drops with 1% adrenaline alone in chronic simple glaucoma K. B. MILLS AND A. E. A. RIDGWAY 320
Carotid artery disease and glaucoma LEE M. JAMPOL AND NEIL R. MILLER 324
The visual prognosis of the fellow eye in uniocular chronic open-angle glaucoma REMO SUSANNA, STEPHEN M. DRANCE, AND GORDON R. DOUGLAS 327
Angle-closure glaucoma secondary to posterior scleritis M. P. QUINLAN AND R. A. HITCHINGS 330
Pars plana vitrectomy in the management of pupillary block glaucoma following irrigation and aspiration GHOLAM A. PEYMAN, DONALD R. SANDERS, AND HARVEY MINATOYA .. 336
Symptoms without signs in outpatients attending ophthalmology clinics A. G. KARSERAS AND A. H. CRISP 340
Obituary 344

No. 6 June 1978

Editorial: Norman Ashton 345
Coloboma of optic nerve with overlay of peripapillary retina DAVID G. COGAN 347
Pathophysiology of diabetic retinopathy J. G. CUNHA-VAZ 351
Measles retinopathy during immunosuppression M. HALTIA, A. TARKKANEN, A. VAHERI, A. PAETAU, K. KAAKINEN, AND H. ERKKILÄ 356
Some observations about retinal vascular-neuronal interrelationships PAUL HENKIND .. 361
Radiographic abnormalities in eyes with retinoblastoma and other disorders GORDON K. KLINTWORTH 365
Amoebic keratitis: a clinicopathological case report O.-E. LUND, F. H. STEFANI, AND W. DECHANT 373
Senile scleral plaques and senile scleromalacia WILLEM A. MANSCHOT 376
Lymphocytic tumours of indeterminate nature: a 5-year follow-up of 98 conjunctival and orbital lesions GWYN MORGAN AND JOHN HARRY 381
Complex sporadic colobomata JOAN MULLANEY 384
Pit-like changes of the optic nerve head in open-angle glaucoma RONALD L. RADIUS, A. EDWARD MAUMENEE, AND WILLIAM R. GREEN 389
Contractile protein antigens in the cells of malignant melanoma of the choroid and their diagnostic significance A. H. S. RAHI, A. GARNER, AND A. H. A. MALATY 394
Periarteritis nodosa and thrombotic thrombocytopenic purpura with serous retinal detachment in siblings F. H. STEFANI, F. BRANDT, AND K. PIELSTICKER 402
Multicentric primary malignant melanomas of the choroid: two separate malignant melanomas of the choroid and two uveal naevi in one eye H. E. VÖLCKER AND G. O. H. NAUMANN 408
Ocular hypertension and systemic responses to the water-drinking test A. F. WINDER, A. A. SIDDIQUI, AND H. C. DONOVAN 414
Does enucleation of the eye containing a malignant melanoma prevent or accelerate the dissemination of tumour cells? LORENZ E. ZIMMERMAN, IAN W. MCLEAN, AND WALTER D. FOSTER 420
Obituary 426
Notes 426

No. 7 July 1978

Editorial: Onchocerciasis—out of the oubliette 427
Effects of various concentrations of diethylcarbamazine citrate applied as eye drops in ocular onchocerciasis, and the possibilities of improved therapy from continuous non-pulsed delivery BARRIE R. JONES, JOHN ANDERSON, AND HARALD FUGLSANG 428
Evaluation of microfilaricidal effects in the cornea from topically applied drugs in ocular onchocerciasis: trials with levamisole and mebendazole BARRIE R. JONES, JOHN ANDERSON, AND HARALD FUGLSANG 440
Further observations on the relationship between ocular onchocerciasis and the head nodule, and on the possible benefit of nodulectomy H. FUGLSANG AND JOHN ANDERSON 445
Further studies on the treatment of ocular onchocerciasis with diethylcarbamazine and suramin J. ANDERSON AND H. FUGLSANG 450
Aspects of corneal changes in onchocerciasis ASBJØRN M. TØNJUM AND BJØRN THYLEFORS .. 458
Visual field defects in onchocerciasis BJØRN THYLEFORS AND ASBJØRN M. TØNJUM.. .. 462
Two special indications for intraocular lens implantation B. BIEDNER, L. ROTHKOFF, T. MONOS, AND M. BLUMENTHAL 468
Early postoperative sterile hypopyons J. W. HUNTER 470
Depth of anterior chamber after cataract extraction M. S. NORN 474
Dural arteriovenous malformations involving the cavernous sinus: a case report JOHN A. COSTIN, MEREDITH A. WEINSTEIN, A. J. BERLIN, RUSSEL W. HARDY, AND F. A. GUTMAN .. 478
Dural arteriovenous fistula and spontaneous choroidal detachment: new cause of an old disease JOHN W. HARBISON, DUPONT GUERRY, AND HERBERT WIESINGER 483
Waardenburg syndrome with a fixed dilated pupil NATHANEL LAOR AND AMOS D. KORCZYN 491
Edge-light pupil cycle time STEPHEN D. MILLER AND H. STANLEY THOMPSON 495
Book reviews 501

No. 8 August 1978

Rapid serological test for diagnosis of chlamydial ocular infections S. DAROUGAR, J. D. TREHARNE, D. MINASSIAN, H. EL-SHEIKH, R. J. DINES, AND B. R. JONES 503
Antichlamydial antibody in tears and sera, and serotypes of *Chlamydia trachomatis* isolated from schoolchildren in Southern Tunisia J. D. TREHARNE, R. ST. C. DWYER, S. DAROUGAR, B. R. JONES, AND T. DAGHFOUS 509
Ocular histopathology in animals experimentally infected with *Mycobacterium leprae* and *M. lepraemurium* H. E. HOBBS, D. J. HARMAN, R. J. W. REES, AND A. C. MCDOUGALL 516
4-Hydroxy-3-methoxymandelic acid (HMMA) excretion in retinoblastoma P. L. R. DIAS AND A. A. AMARASIRI 525
Ocular saccades in Duane's syndrome P. NEMET AND S. RON 528
The relationship between head and eye movement in congenital nystagmus with head shaking: objective recordings of a single case M. GRESTY, G. M. HALMAGYI, AND J. LEECH 533
Neuro-ophthalmological complications of enlargement of the third ventricle ROBERT H. OSHER, JAMES J. CORBETT, NORMAN J. SCHATZ, PETER J. SAVINO, AND LINDA S. ORR .. 536
Foveo-macular retinitis, solar retinopathy, and trauma R. H. B. GREY 543
Senile macular changes in the black African Z. GREGOR AND L. JOFFE 547
Senile macular degeneration and geographic atrophy of the retinal pigment epithelium DARRELL WILLERSON JR. AND THOMAS M. AABERG 551
The perifoveal vasculature in albinism Z. GREGOR 554
An unusual macular lesion simulating a neoplasm AMIRAM SHAPIRO, MOSHE IVRY, AND MOSHE LAHAVE 558
Polymorphous presentations in vitelliform macular dystrophy: subretinal neovascularisation and central choroidal atrophy KENNETH G. NOBLE, BARRY M. SCHER, AND RONALD E. CARR 561
Orbital blood cyst DAVID SEVEL AND A. ROSALES 571
Book reviews 575
Obituary 578
Notes 578

No. 9 September 1978

Editorial: Pathogenesis of optic disc swelling 579
Bilateral acute retinal necrosis N. J. A. YOUNG AND A. C. BIRD 581
Fundus signs in temporal arteritis D. MCLEOD, E. O. OJI, E. M. KOHNER, AND J. MARSHALL .. 591
Macular abnormalities in the reattached retina P. E. CLEARY AND P. K. LEAVER 595
Von Hippel's disease in association with von Recklinghausen's neurofibromatosis JOHN V. THOMAS, PETER L. SCHWARTZ, AND EVANGELOS S. GRAGOUDAS 604
Placoid pigment epitheliopathy and Harada's disease B. E. WRIGHT, A. C. BIRD, AND A. M. HAMILTON 609
Fundus changes in incontinentia pigmenti (Bloch-Sulzberger syndrome): a case report R. B. JAIN AND G. S. WILLETTS 622
Contractile proteins in retinal endothelium and other non-muscle tissues of the eye AMJAD RAHI AND NORMAN ASHTON 627
Television slit-lamp biomicroscopy A. J. BRON, D. V. KAUFMAN, AND D. HARWOOD 644
B-scan ultrasonography of the anterior segment of the eye MALCOLM LEMAY 651
Cine photography and video recording of anterior segment fluorescein angiography R. J. MARSH AND S. M. FORD 657
Penetration of tobramycin sulphate into the human eye A. PETOUNIS, G. PAPAPANOS, AND C. KARAGEORGIOU-MAKROMIHELAKI 660
Book reviews 663
Obituary 664
Notes 664

No. 10 October 1978

Quantitative relationship between cupping of the optic disc and visual field loss in chronic simple glaucoma J. GLOSTER 665
The optic disc in glaucoma, III: diffuse optic disc pallor with raised intraocular pressure R. A. HITCHINGS 670
Ocular hypertension: a comparative follow-up of black and white patients ROBERT DAVID, DESIRÉ LIVINGSTON, AND MAURICE H. LUNTZ 676
The effect of standardised submaximal work load on intraocular pressure AMIRAM SHAPIRO, YEHUDA SHOENFELD, AND YAIR SHAPIRO 679
Effects of cigarette smoking on intraocular pressure and vision ROY J. SHEPHARD, ELLENOR PONSFORD, P. K. BASU, AND ROBERT LABARRE 682
Effect of posture on the intraocular pressure of patients with retinal vein obstruction BILLIE I. WILLIAMS AND W. S. PEART 688
Clearance of debris from the iris through the drainage angle of the rabbit's eye IAN GRIERSON AND IAN A. CHISHOLM 694
The perimeter as a monitor of glaucomatous changes H. C. DONOVAN, R. A. WEALE, AND CAROL WHEELER 705
Isolation of *Chlamydia psittaci* from a patient with interstitial keratitis and uveitis associated with otological and cardiovascular lesions S. DAROUGAR, A. C. JOHN, M. VISWALINGHAM, L. CORNELL, AND B. R. JONES 709
Fuchs's heterochromic cyclitis: a simultaneous bilateral fluorescein angiographic study of the iris M. SAARI, I. VUORRE, AND H. NIEMINEN 715
Immunological investigations in post-traumatic granulomatous and non-granulomatous uveitis AMJAD RAHI, GWYN MORGAN, IVOR LEVY, AND WILLIAM DINNING 722
Streptococcus suis type II (group R) as a cause of endophthalmitis B. F. MCLENDON, A. J. BRON, AND C. J. MITCHELL 729
Canaliculitis with isolation of *Pityrosporum pachydermatis* A. ROMANO, E. SEGAL, AND M. BLUMENTHAL 732
Book reviews 735
Notes 736

No. 11 November 1978

Pathogenesis and classification of massive periretinal proliferation ROBERT MACHEMER .. 737
Preliminary results of a physiologically based treatment of amblyopia FERGUS W. CAMPBELL, ROBERT F. HESS, PETER G WATSON, AND RUTH BANKS 748
Stereopsis and spatial perception in amblyopes and uncorrected ametropes WALIA KANI .. 756
Pseudostrabismus: an audit H. BASIL JACOBS 763
The O'Connor cinch revisited A. THOMAS WILLIAMS, HENRY S. METZ, AND ARTHUR JAMPOLSKY 765
Bilateral versus unilateral cataract extraction: advantages and complications D. BENEZRA AND M. C. CHIRAMBO 770
Follow-up of aphakic patients with anterior vitrectomy in one eye and uneventful cataract extraction in the fellow eye D. LEONNARD MACBEATH AND ROBERT DAVID .. 774
Sclerotomy for pars plana vitrectomy PETER LEAVER AND DAVID MCLEOD 778
Surgery of congenital and juvenile cataracts: a pars plicata approach with the vitrophage GHOLAM A. PEYMAN, MOTILAL RAICHAND, AND MORTON F. GOLDBERG 780
The management of lens damage in perforating corneal lacerations RENÉ MUGA AND EUGENIO MAUL 784
Aspiration from the vitreous of a non-magnetic foreign body HECTOR B. CHAWLA, JOSEPH A. COLEIRO, AND FRIDBERT JONASSON 788
A disposable cannula for the aspiration of soft lens matter A. J. LYNE 790
Morphological changes in the human conjunctival epithelium. I. In the normal elderly population L. M. R. ABDEL-KHALEK, J. WILLIAMSON, AND W. R. LEE 792
Morphological changes in the human conjunctival epithelium. II. In keratoconjunctivitis sicca L. M. R. ABDEL-KHALEK, J. WILLIAMSON, AND W. R. LEE 800
Book reviews 807
Obituary 807
Notes 808

No. 12 December 1978

Specular microscopy of the corneal endothelium G. D. STURROCK, E. S. SHERRARD, AND N. S. C. RICE 809
Effects of intraocular miotics on cultured bovine corneal endothelium JEFFREY L. JAY AND MARGARET MACDONALD 815
Cogan's microcystic dystrophy of the cornea: ultrastructure and photomicroscopy ANTHONY J. DARK 821
The reverse Wessely phenomenon: immune corneal rings following systemic immunisation NORMAN T. FELBERG AND THEODORE W. SERY 831
Adenovirus type 21 keratoconjunctivitis S. DAROUGAR, R. PEARCE, J. A. GIBSON, AND D. A. MCSWIGGAN 836
Scanning electron microscope study of herpes simplex virus experimental disciform keratitis ROSE MARIE NAGY, ROSEMARY C. MCFALL, THEODORE W. SERY, BARBARA T. NAGLE, AND LOLLY M. MCGREEVY 838
Acute follicular conjunctivitis and keratoconjunctivitis due to herpes simplex virus in London S. DAROUGAR, P. A. HUNTER, M. VISWALINGAM, J. A. GIBSON, AND B. R. JONES .. 843
Correspondence 850
Notes 850
Index 1978 851